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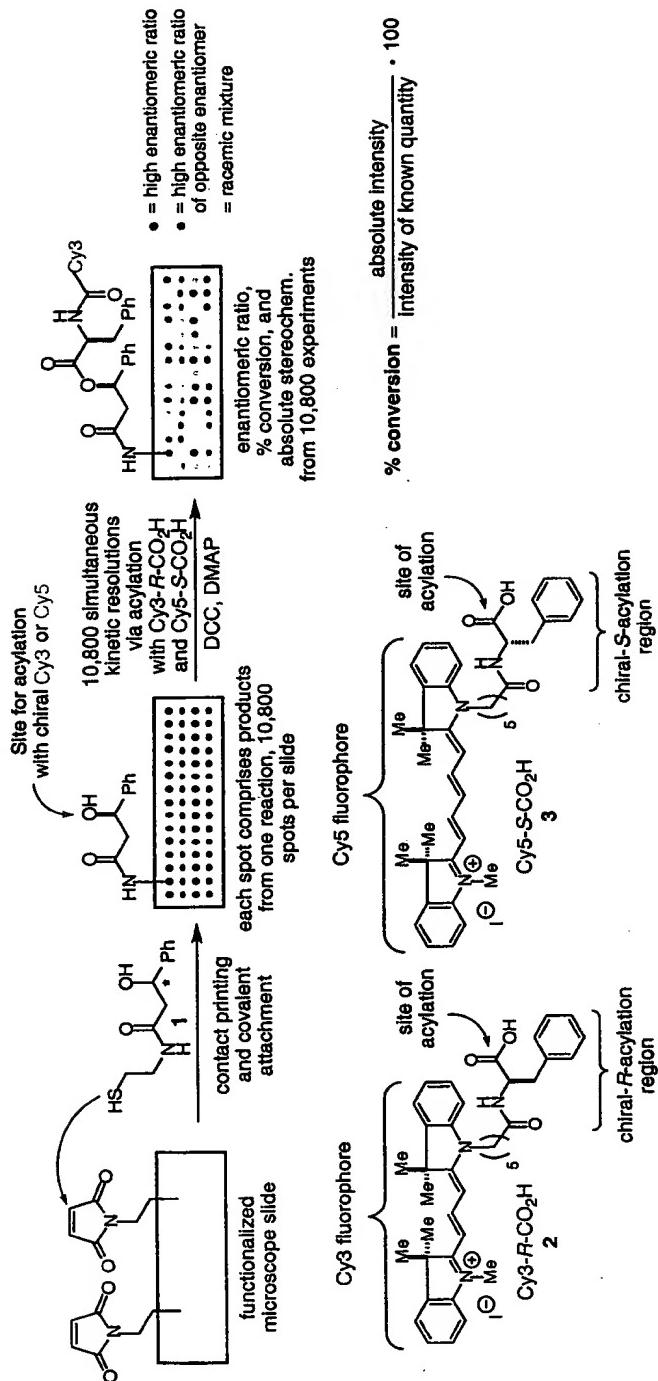


FIGURE 1

Reaction Microarrays

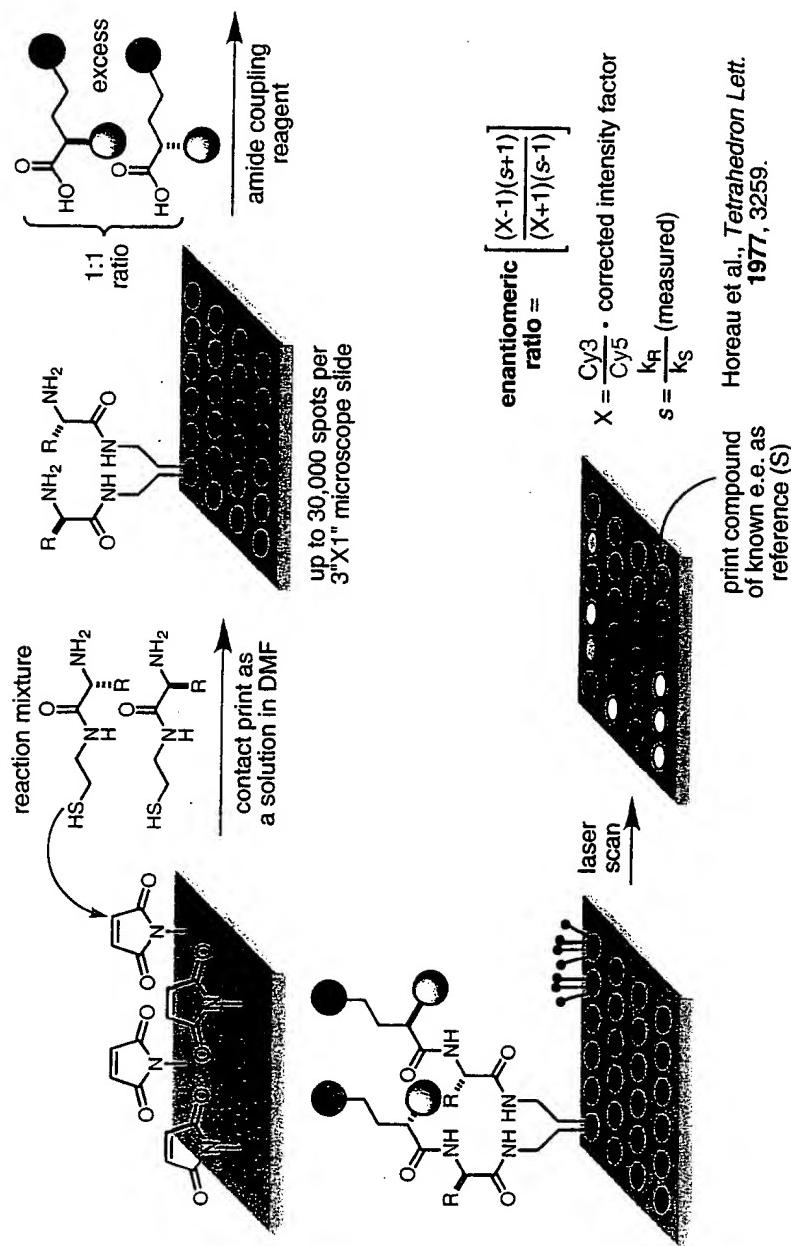
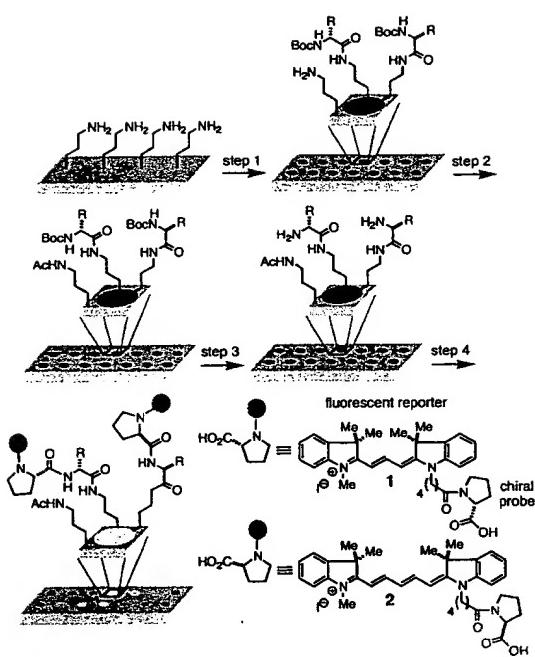


FIGURE 2



Reagents and conditions: step 1) BocHNCH(R)CO₂H, PyAOP, ⁱPr₂Net, DMF; step 2) Ac₂O, pyridine; step 3) 10% CF₃CO₂H and 10% Et₃SiH in CH₂Cl₂, then 3% Et₃N in CH₂Cl₂; step 4) Pentafluorophenyl diphenylphosphinate, ⁱPr₂NEt, 1:1 mixture of 1 and 2, DMF, -20°C.

FIGURE 4

**Attachment of amino acids as their allyl amides
to selenyl bromide-functionalized microslides**

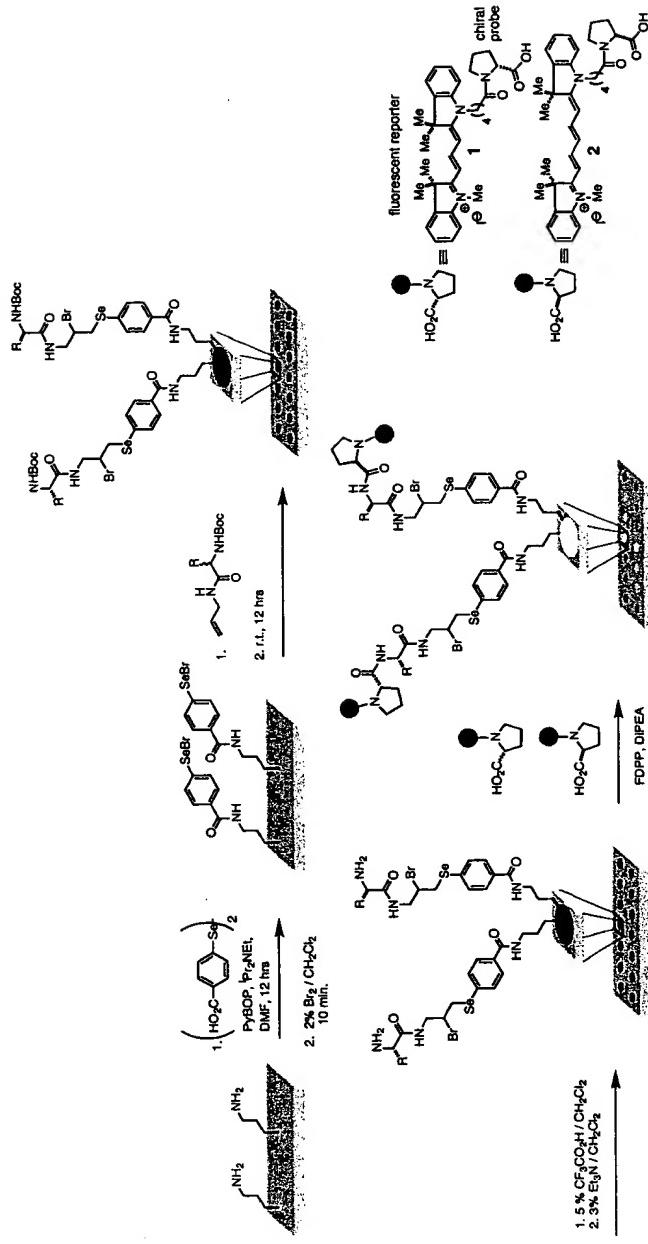


FIGURE 5

Attachment of amino acids as their allyl amides
to nitrone-functionalized microspheres

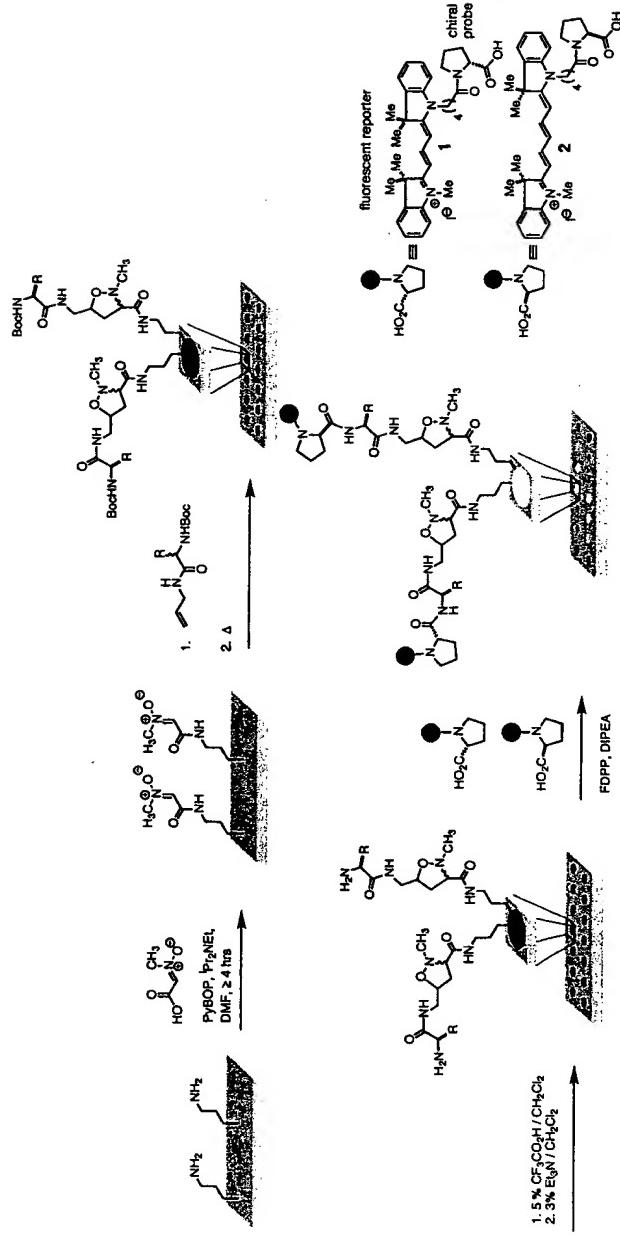


FIGURE 6

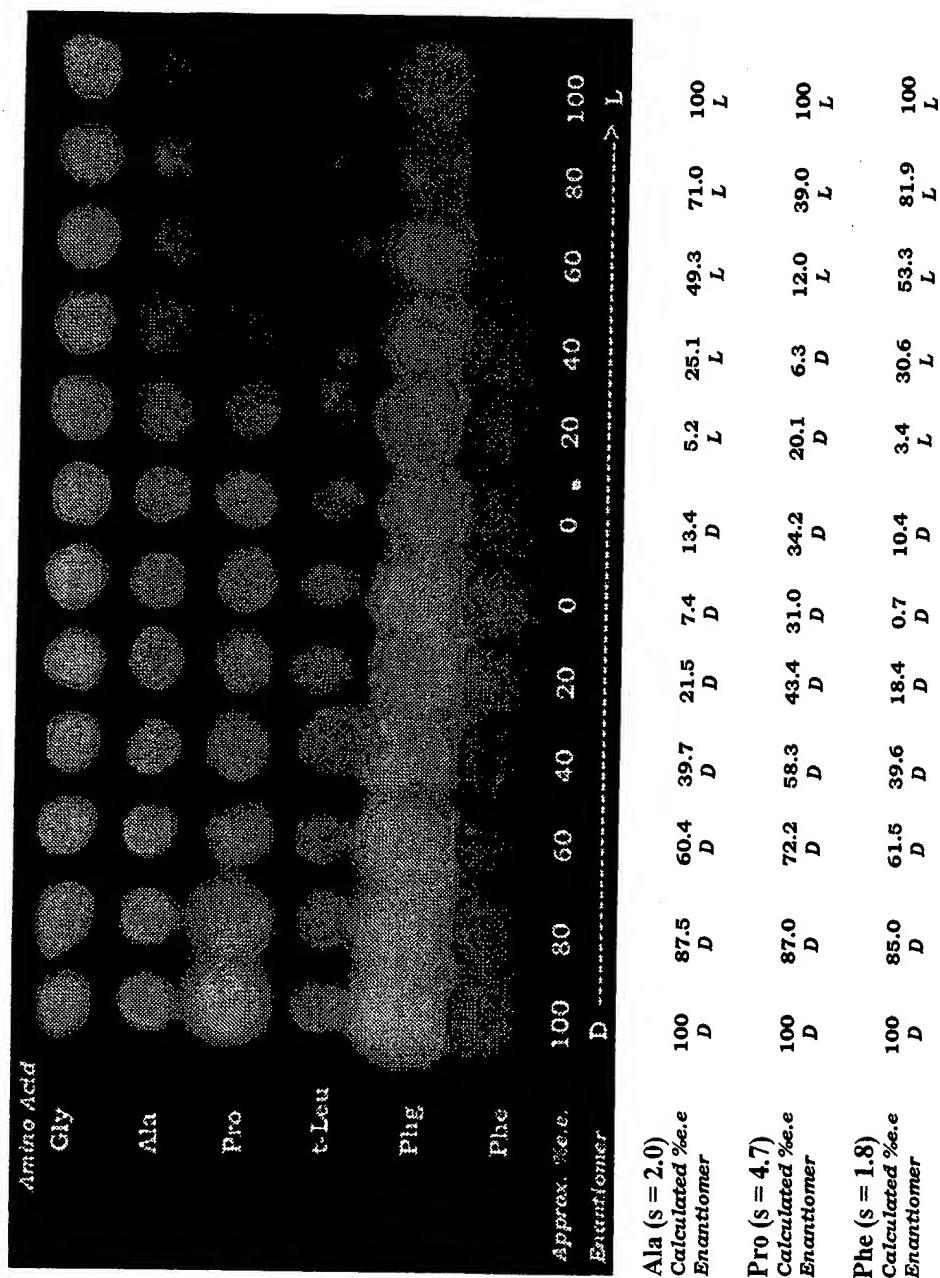


FIGURE 12



FIGURE 13

Entry	Amino Acid	D-enantiomer										L-enantiomer										
		100	90	80	70	60	50	40	30	20	10	100	90	80	70	60	50	40	30	20	10	
1	Gly	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
2	Ala	100	91	80	67	63	55	29	32	21	12	0	12	24	32	42	61	60	71	76	90	100
3	Val	100	99	79	71	53	52	39	31	20	12	0	13	25	34	42	53	59	76	77	92	100
4	Leu	100	90	80	70	60	50	36	30	20	12	0	15	30	35	47	54	62	73	79	93	100
5	Pro	100	89	82	73	65	61	45	35	25	14	0	6	21	31	42	43	67	75	85	93	100
6	Ser	100	91	77	65	55	49	40	37	27	13	0	11	31	34	45	61	63	75	81	90	100
7	Cys	100	64	73	79	73	69	46	49	41	-1	0	-1	43	32	46	54	65	68	77	83	100

Glycine

 Alanine

 Valine

 Leucine

 Proline

 Serine

 S-Acetylhomomethylcysteine


FIGURE 14

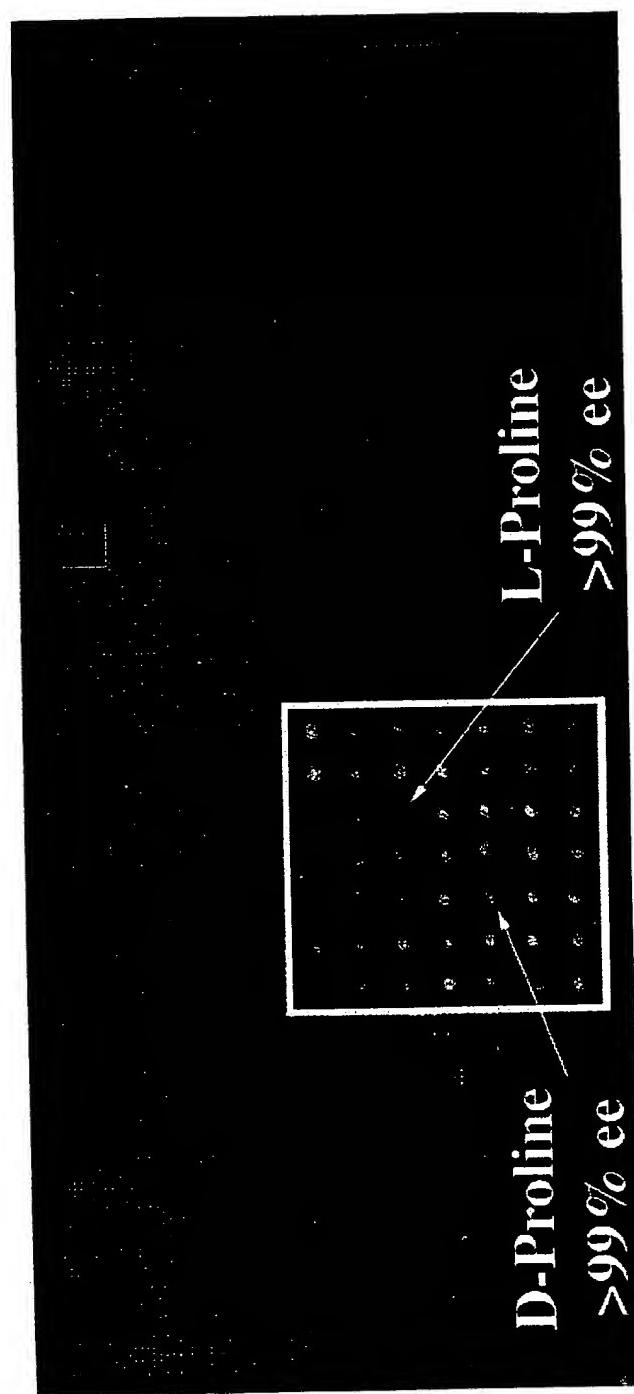


FIGURE 15

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